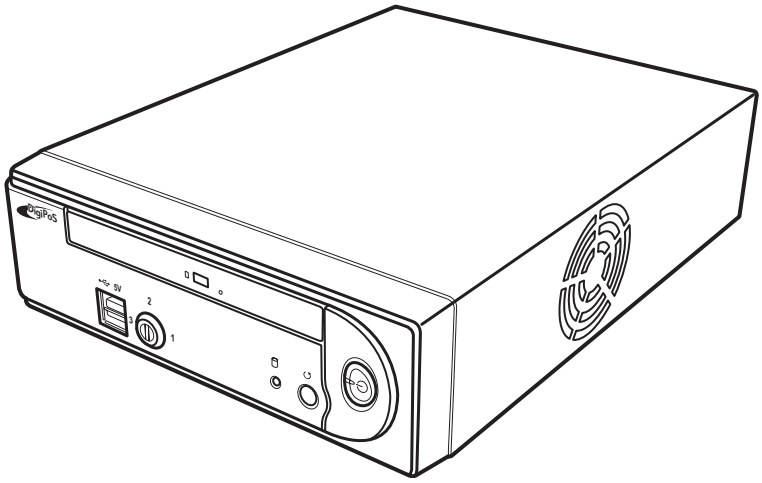
PH-6000B System

Designed for Retail PoS

Big impact. Small space.



User Guide

Release Version 1.0

July, 2007

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Preface

FCC Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a class A digital device. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at this own expense.

Copyright Statement

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Notice

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Specifications and information contained in this manual are provided for informational use only, and are subject to change or update at any time without notice, and should not be construed as a commitment by DigiPoS Systems. DigiPoS Systems assumes no responsibility or liability for any errors or inaccuracies that may appear in this manual, including the products and software described in it.

Updates to this manual and additional information may be found on the Internet at http://www.digipos-solutions.com/

For any drivers associated with this DigiPoS, please contact your supplier/distributor or you can find the latest versions available to download on the Internet at http://www.digipos-solutions.com/

Safety Instructions

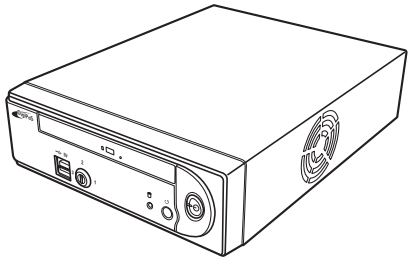
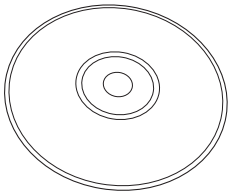
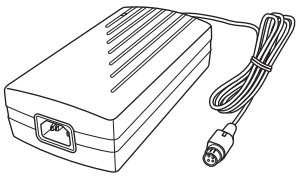
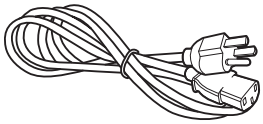
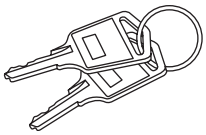
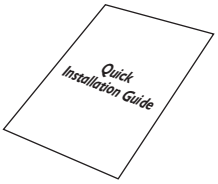
- Always read the safety instructions carefully.
- Keep this Manual for future reference.
- Keep this equipment away from humidity and dust.
- Lay the equipment on a reliable flat surface before setting it up.
- The openings on the enclosure are for air convection, hence protecting the equipment from overheating. *DO NOT COVER THESE OPENINGS*. For a more detailed explanation about ventilation requirements, please check the appropriate section within this document.
- Make sure the voltage of the power source (mains) conforms within the permitted range before connecting the equipment to the power inlet. If you have any doubts, please contact a licensed electrician to advise you accordingly.
- Place the power cord in such a way that people cannot step on it. Do not place anything over the power cord.
- *ALWAYS* shut down the operating system and disconnect the unit from any power sources before removing any connections (Keyboard, Mouse, etc..) or opening up the unit to fit additional cards and or devices.
- *ALWAYS* shut down the operating system and disconnect the unit from any power sources before removing any covers or attempting to remove internal components.
- All cautions and warnings on the equipment should be noted and adhered to.
- Never pour any liquid into any openings. This could cause damage or electrical shock.
- If any of the following situations arise, have the equipment checked by qualified service personnel:
  - The power cord or plug is damaged
  - Liquid has penetrated into the DigiPoS PH-6000B or the external power supply
  - The equipment has been exposed to moisture
  - The DigiPoS PH-6000B is not working properly or you can not get it to work according to the User Manual
  - The DigiPoS PH-6000B has been dropped and damaged
  - The DigiPoS PH-6000B has obvious signs of breakage or physical damage
- Do not leave this DigiPoS PH-6000B in a non air-conditioned environment with a storage temperature above 60°c (140°f) as it may damage the equipment.
- For reasons of safety, gloves should be worn when assembling the DigiPoS PH-6000B after any work has been carried out.

Overview

Congratulations on your purchase of the DigiPoS PH-6000B. You are now the owner of a state-of-the-art POS system. The DigiPoS PH-6000B offers unparalleled features, speed and performance combined with exceptional reliability. It is unrivalled by other conventional VIA/Intel based PCs within the EPoS industry.

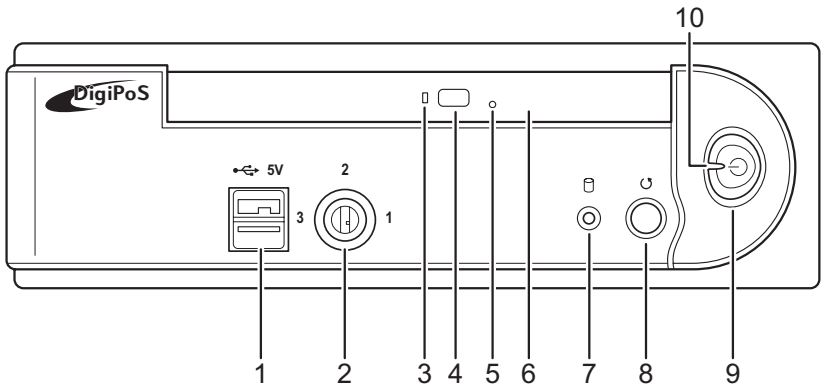
Package List

When you receive the DigiPoS PH-6000B, ensure all the following items are present in the package. If any of these items are missing or damaged, please contact your supplier immediately.

	
DigiPoS PH-6000B	CD-ROM (User Guide included)
	
Power Adapter *	AC Power Cord *
	
Keys	Quick Installation Guide

** **Note:** Power adapter and AC power cord may vary according to the model and region.*

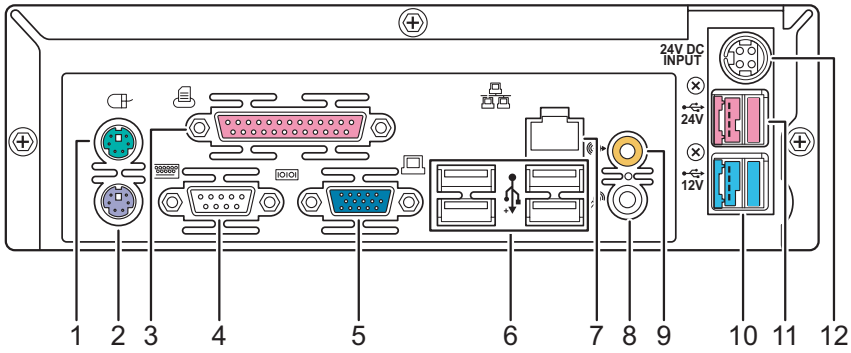
Front Side Components



No.	Name	No.	Name
1	5V PoweredUSB port	6	CD-ROM
2	3-position keylock	7	HDD status LED
3	CD-ROM LED	8	Reset button
4	CD-ROM tray eject button	9	Power button
5	Emergency eject hole	10	Power LED

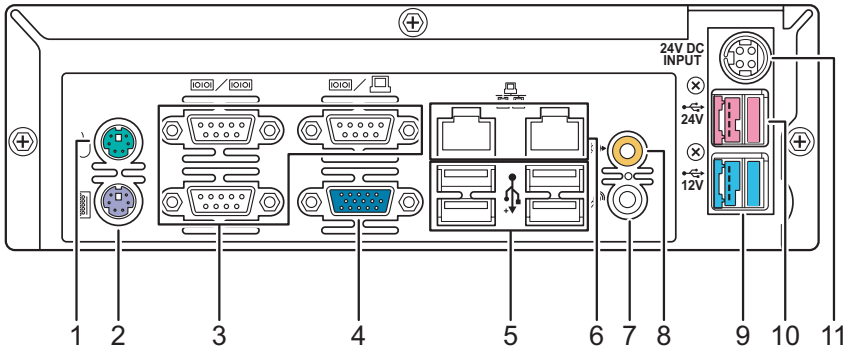
Rear Side Components

VIA System (PH-6000B-300)



No.	Name	No.	Name
1	Mouse port	7	RJ45 LAN port
2	Keyboard port	8	Line-out port
3	Parallel port	9	Microphone port
4	Serial (RS232) port	10	12V PoweredUSB port
5	VGA port	11	24V PoweredUSB port
6	Four USB ports	12	24V DC input

Intel System (PH-6000B-700/ PH-6000B-800)



No.	Name	No.	Name
1	Mouse port	**7**	Line-out port
2	Keyboard port	**8**	Microphone port
3	Three Serial (RS232) ports	**9**	12V PoweredUSB port
4	VGA port	**10**	24V PoweredUSB port
5	Four USB ports	**11**	24V DC input
6	Two RJ45 LAN ports		

Making Connections

By using the ports on the rear side of your DigiPoS PH-6000B, you can connect it to various devices. Refer to the procedures described in this section to make connections to these ports.

Note: *The PH-6000B-300 is used to illustrate the connections throughout this section.*

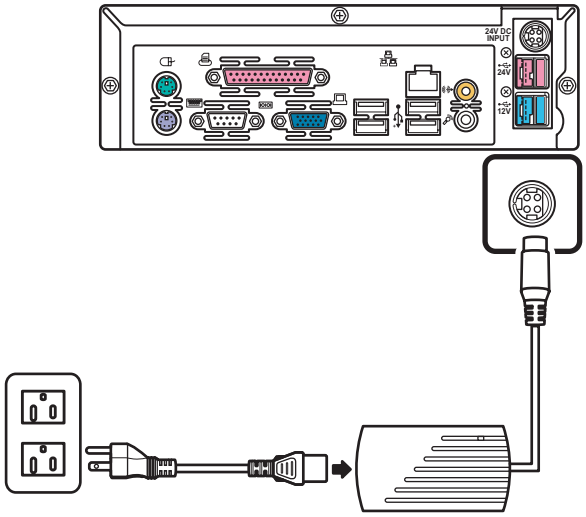
Connecting the Power

Before powering on the DigiPoS PH-6000B, you need to follow the steps below to connect the power cord and power adapter.

1. Connect the end of the power adapter to the rear side of the DigiPoS PH-6000B.

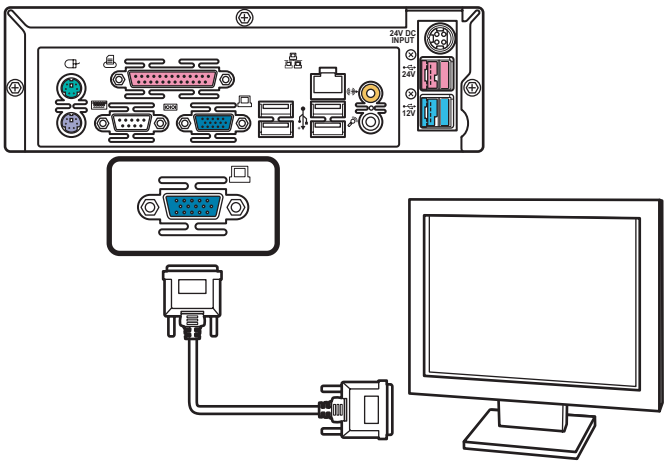
   Note: *To avoid danger, always ensure the power cord is NOT connected to the mains supply before connecting the power adapter to the DigiPoS PH-6000B.*

2. Connect the power cord to the power adapter as shown.
3. Connect the end of the power cord to an available wall outlet.



Connecting a Monitor (using the VGA port)

You can connect the DigiPoS PH-6000B to a monitor with a VGA (D-SUB 15pin) cable. Connect one end of a VGA cable to the VGA port on the rear side of the DigiPoS PH-6000B. Connect the other end to the VGA port on the monitor.



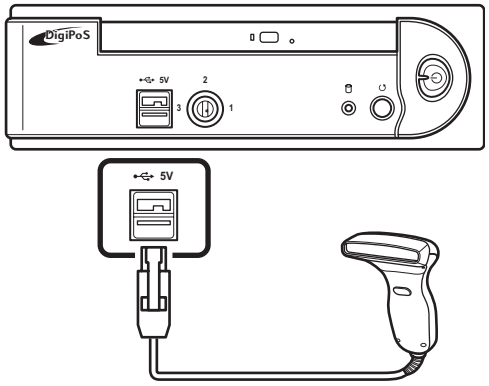
Connecting USB Powered Devices

The DigiPoS PH-6000B provides a wide range of output voltages from its PoweredUSB ports: 5V, 12V, and 24V. These ports allow the connected devices to be powered directly from your DigiPoS PH-6000B. You can also use these ports for standard USB data transmission.

Note: *To find out the required voltage of the USB peripheral device to be connected, please refer to the device's manual or contact your peripheral device dealer.*

❖ Using the 5V PoweredUSB port

The 5V PoweredUSB port (black or orange connector) is located on the front of your DigiPoS PH-6000B. This port allows you to connect a low power device, such as a CCD barcode scanner.

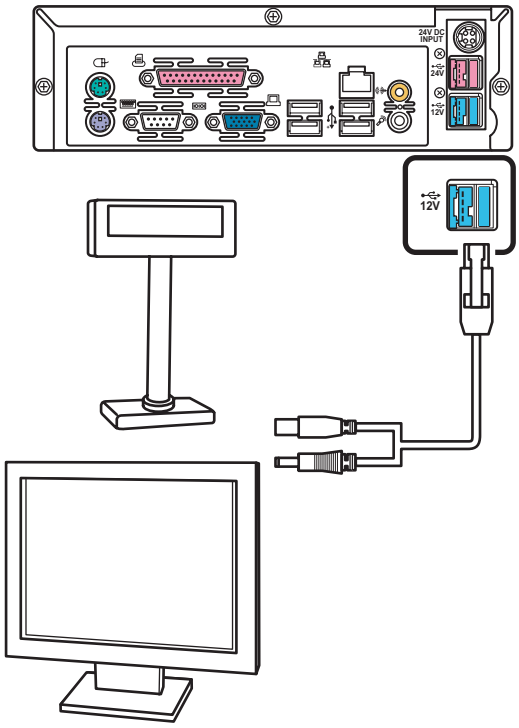


❖ Using the 12V PoweredUSB port

The 12V PoweredUSB port (blue connector) is located on the rear side of your DigiPoS PH-6000B. By using the 12V PoweredUSB port, you can connect equipment, such as VFDs (Vacuum Fluorescent Display) and customer displays, powered by a 12V current.

Connect one end of the 12V USB powered cable to the 12V PoweredUSB port (blue connector) on the DigiPoS PH-6000B. Connect the two connectors at the other end to a 12V device.

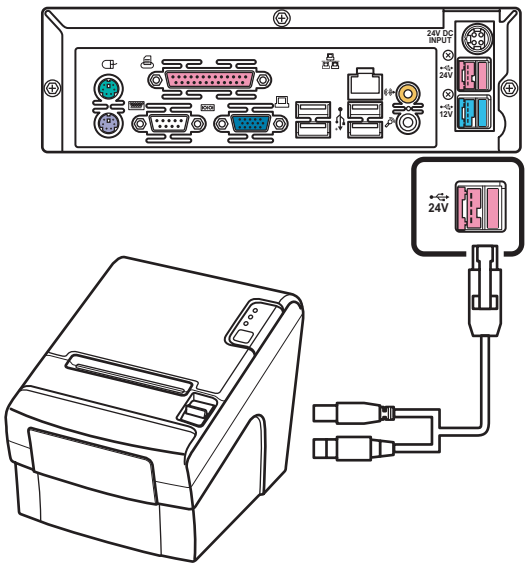
Note: *A 12V USB powered cable is required for this connection. If you need to purchase one, please contact your vendor.*



❖ Using the 24V PoweredUSB port

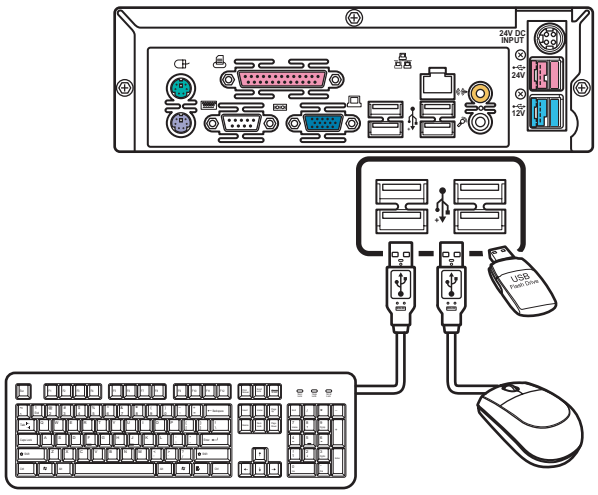
The 24V PoweredUSB port (red connector) is located on the rear side of your DigiPoS PH-6000B. By using the 24V PoweredUSB port, you can connect printers powered by a 24V current.

Connect one end of the supplied 24V USB powered cable to the 24V PoweredUSB port (red) on the DigiPoS PH-6000B. Connect the two connectors at the other end to a supported printer.



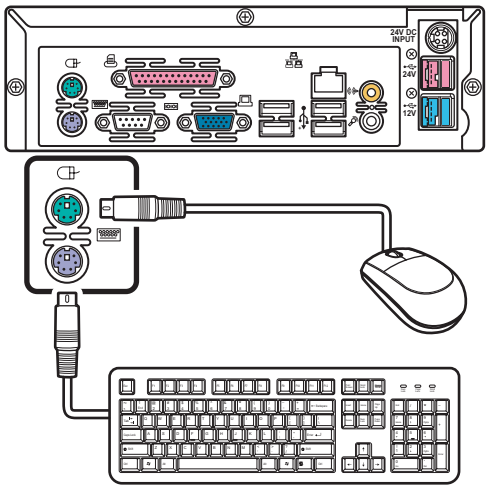
Connecting USB Devices

On the rear side of the DigiPoS PH-6000B, there are four USB ports available for USB peripheral devices. You can connect up to four USB devices, such as a USB keyboard, a USB mouse, and data storage devices (i.e. USB flash drives).



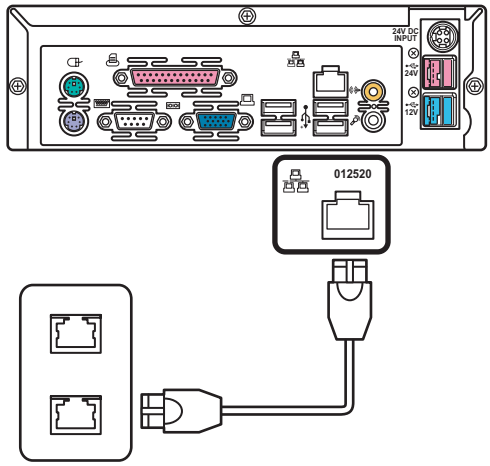
Connecting a PS/2 Keyboard and Mouse

You can connect a PS/2 keyboard and mouse using the PS/2 keyboard and mouse ports on the rear side of the DigiPoS PH-6000B.



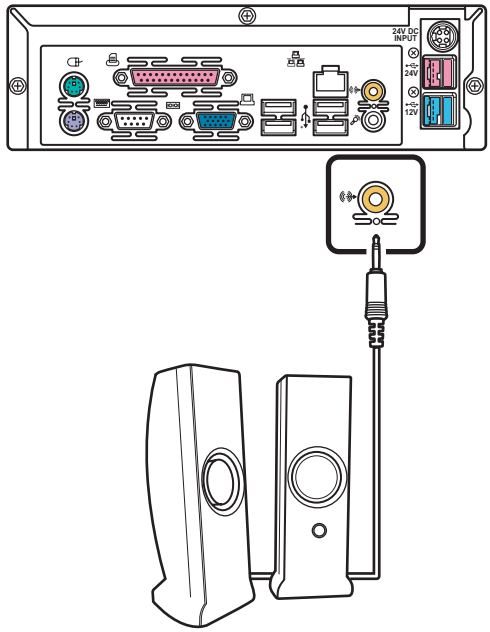
Connecting to a Network

You can set up a ethernet network connection via the provided RJ45 LAN port. Plug one end of the LAN cable into the RJ45 LAN port on the rear side of the DigiPoS PH-6000B and the other end into an available wall outlet or hub as shown.



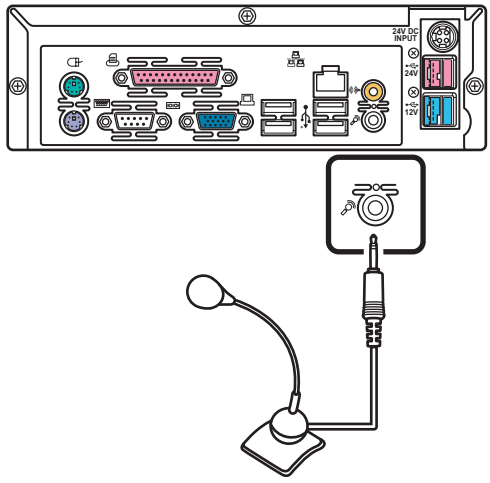
Connecting Speakers

The line-out port on the rear side of the DigiPoS PH-6000B allows you to connect external speakers or headphones. Connect the speakers or headphones to the line-out port as shown.



Connecting a Microphone

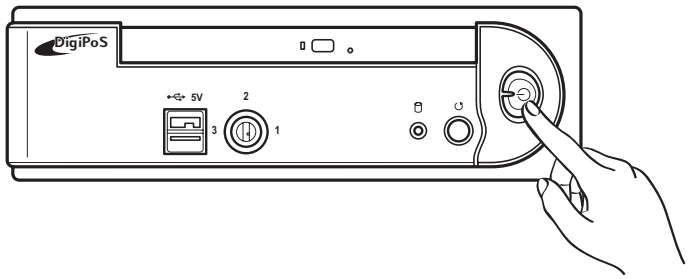
The microphone port on the rear side of the DigiPoS PH-6000B allows you to connect an external microphone. Connect the microphone plug into the microphone port as shown.



Using Your DigiPoS PH-6000B

Powering on the DigiPoS PH-6000B

To start using your DigiPoS PH-6000B, you must set up the power connections, and examine to ensure that each piece of equipment is securely connected to its port. Then press the power button to power on the system as shown. For detailed information on each connection, see **"Making Connections"** on page 7.



Power LED

The blue power LED lights when your DigiPoS PH-6000B is turned on. See **"Front Side Components"** on page 5 for the location of the power LED.

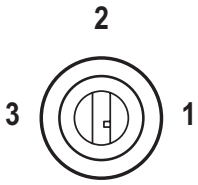
Reset Button

If you encounter any problems or your DigiPoS PH-6000B malfunctions, simply press the reset button to restart the system. See **"Front Side Components"** on page 5 for the location of the reset button.

HDD Status LED

Your DigiPoS PH-6000B has a red HDD status LED on the front panel (**"Front Side Components"** on page 5 for the location), which indicates the current HDD state. The LED lights when the HDD is active.

3-Position Keylock Operation



The DigiPoS PH-6000B has a keylock located on the front panel. This 3-position keylock provides an additional layer of security to your DigiPoS PH-6000B. Use the provided keys to control access to the power button, reset button, and CD-ROM. Refer to the table below for information on which components are accessible in each key position.

Key Position		Power Button	Reset Button	CD-ROM
1	Locked mode	X	X	X
2	Normal mode	V	V	V
3	Standby mode	V	X	X

Remark:

V: The button/device is accessible to the user.

X: The button/device is disabled.

Typical POS Device Voltage Requirements

The DigiPoS PH-6000B provides three different voltage of PoweredUSB ports. With these enhanced USB ports, you can connect peripheral devices directly to the DigiPoS PH-6000B via a single USB cable for both power and data connectivity.

- 24volt PoweredUSB port (Red) - located on the rear side
- 12volt PoweredUSB port (Blue) - located on the rear side
- 5volt PoweredUSB port (Black/Orange) - located on the front side

The following table gives some examples of the supported devices by voltage.

Device Examples	0V (Standard RS232)	5V	12V	24V
DigiPoS PoS Printer	-	-	-	Y
Epson PoS Printer	-	-	-	Y
DigiPoS Customer Display	-	Y	Y	-
Epson Customer Display	-	-	Y	-
MSR Swipe Reader	-	Y	-	-
DigiPoS LCD Monitor	-	-	Y	-

Specification

	DigiPoS PH-6000B VIA System	DigiPoS PH-6000B Intel System
CPU	VIA C7 1GHz	Intel Celeron M 600MHz / 1GHz
Memory	Supports one DDRII 256MB/ 512MB/1G DIMM, may vary according to the model	Supports one DDR 256MB/512MB/ 1G DIMM, may vary according to the model
HDD	Supports one 2.5” IDE/SATA hard disk drive	Supports one 2.5” IDE hard disk drive
Optional parts	Slim CD-ROM drive Internal 1G/2G/4G Pen Drive Internal 1G/2G/4G DOM	
Operating temperature	0~45°C	
Power supply	60/80/120W sealed fanless unit with universal AC input and 24V output	
Dimensions	205mm x 275mm x 65mm	